Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Electric Nation Video. PBS

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| **Time** | **Question On Fossil Fuel and Nuclear Power** |
| 0m02 – 2m13s | Who are the biggest consumers of energy in the world? |
| 2m14s – 4m46s | How many gallons of gas are used in the Daytona 500?  Besides cars, identify 3 other things at the Daytona 500 that use energy.  On average, how many electronic devices are in each American home? |
| 4m46s – 9m0s | How many miles of transmission lines are used to carry energy across America?  What caused the 2003 blackout in New York?  How many people were without power during the blackout? |
| 9m0s– 12m05s | Why does the electrical worker wrap wire around the power line? |
| 12m05s – 19m40s | What resource supplies nearly half of America’s energy?  Why does the Power River Basin coal burn cleaner than other coal?  How much coal does one truck carry per load? How many loads does one truck carry per day?  What could a single truck load of coal power? |
| 19m49s – 24m30s | How hot will the water in the reactor get once the nuclear reaction begins?  How many nuclear reactors power plants are in the United States?  How many new nuclear reactor power plants have been built in the last 30 years? |
| 24m33s – 34m27s | Why does a natural gas tanker run at such a high temperature?  Why does Boston supplement its gas lines with gas from a tanker?  What is fraking? |

Write 3 new things you learned from the video:

1

2

3

Draw a picture of one thing from the video that will stick with you:

Write one question you have after viewing the video: